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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/713,344	11/14/2003	Daniel J. Pusiol	GBR-PT003	9848
³⁶²⁴ VOLPE AND I	7590 08/09/2007 KOENIG, P.C.		EXAMINER	
UNITED PLAZA, SUITE 1600 30 SOUTH 17TH STREET			GAKH, YELENA G	
PHILADELPHIA,			ART UNIT	PAPER NUMBER
			1743	
				2 (3000)
			MAIL DATE	DELIVERY MODE
			08/09/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary		Application No. Applicant(s)					
		10/713,344	PUSIOL, DANIEL J.				
		Examiner	Art Unit				
		Yelena G. Gakh, Ph.D.	1743				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
WHIC - Exter after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DATE of this communication. SIX (6) MONTHS from the mailing date of this communication. Depriod for reply is specified above, the maximum statutory period or re to reply within the set or extended period for reply will, by statute reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply will apply and will expire SIX (6) MONTHS. Cause the application to become ABANI	FION. be timely filed from the mailing date of this communication.				
Status							
1)⊠	Responsive to communication(s) filed on 14 N	ovember 2003.					
		action is non-final.					
3)							
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Dispositi	ion of Claims						
4)🖂	4)⊠ Claim(s) <u>1-94</u> is/are pending in the application.						
	4a) Of the above claim(s) is/are withdrawn from consideration.						
5) 🗌	5) Claim(s) is/are allowed.						
6)□	6) Claim(s) is/are rejected.						
	Claim(s) is/are objected to.						
8)⊠	Claim(s) $1-94$ are subject to restriction and/or 6	election requirement.					
Applicati	on Papers						
9)	The specification is objected to by the Examine	r.	•				
10)	10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.						
	Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11)	11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority u	ınder 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:							
	1. Certified copies of the priority documents have been received.						
	2. Certified copies of the priority documents have been received in Application No						
	3. Copies of the certified copies of the priority documents have been received in this National Stage						
application from the International Bureau (PCT Rule 17.2(a)).							
* See the attached detailed Office action for a list of the certified copies not received.							
A 44- •	M-)						
Attachment(s) 1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)							
2) 🔲 Notic	2) Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date						
3) 🔲 Inforr	, <u> </u>						
	TNO(S)/IVIAII Date	6)					

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DETAILED ACTION

Election/Restrictions

- 1. Restriction to one of the following inventions is required under 35 U.S.C. 121:
 - I. Claims 1-16, drawn to a method for analysis of compounds, classified in class 436, subclass 173.
 - II. Claims 17-26, drawn to a method for analysis of compounds, classified in class 436, subclass 173.
 - III. Claims 27-55, drawn to a sensor element, classified in class 324, subclass 307.
 - IV. Claims 56-69, drawn to a sensor element, classified in class 324, subclass 314.
 - V. Claims 70-86, drawn to a sensor element, classified in class 324, subclass 307.
- VI. Claims 87-91, drawn to a sensor element, classified in class 239, subclass 229.

The inventions are distinct, each from the other because of the following reasons:

Inventions I and III, IV are related as process and apparatus for its practice. The inventions are distinct if it can be shown that either: (1) the process as claimed can be practiced by another and materially different apparatus or by hand, or (2) the apparatus as claimed can be used to practice another and materially different process. (MPEP § 806.05(e)). In this case the apparatus recited in Group III can be used for gradient experiments utilizing different magnetic fields in MRI, and the method of Group I can be practiced with an apparatus of a different design than the one recited in Group IV, e.g. with the apparatus recited in Group III.

Inventions II and V, VI are related as process and apparatus for its practice. The inventions are distinct if it can be shown that either: (1) the process as claimed can be practiced by another and materially different apparatus or by hand, or (2) the apparatus as claimed can be used to practice another and materially different process. (MPEP § 806.05(e)). In this case the apparatus recited in Group V, which recites only two coils producing low frequency magnetic fields and shielded from the environment can be used for electromagnetic testing, rather than detecting and analysis of a compound. The method recited in Group II can be practiced by a different apparatus than the one recited in Group VI, e.g. by the apparatus recited in Group V.

Inventions I, III, IV and II, V, VI are unrelated. Inventions are unrelated if it can be shown that they are not disclosed as capable of use together or they have different designs,

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Inventions I, III, IV and II, V, VI are unrelated. Inventions are unrelated if it can be shown that they are not disclosed as capable of use together or they have different designs, modes of operation, and effects (MPEP § 802.01 and § 806.06). In the instant case, the different inventions have different designs, modes of operation and effects. While the invention of Groups I, II, IV require three oscillating magnetic fields, only one of which is quadrupolar, the inventions of Groups II, V, VI require two quadrupolar oscillating fields, which allows to detect two quadrupolar nuclei.

Inventions I-VI and VII are unrelated. Inventions are unrelated if it can be shown that they are not disclosed as capable of use together or they have different designs, modes of operation, and effects (MPEP § 802.01 and § 806.06). In the instant case, the different inventions have different designs, modes of operation and effects. Since it does not appear that the sensors recited in the previous Groups are a part of the arrangement of Group VII, the arrangement of Group VII has different designs, modes of operation, and effects, since the arrangement comprises an external housing and a conveyer belt, according to claim 91.

- *) Warning: the examiner would like to warn the Applicant that claims 91-94 have improper multiple dependency and will not be considered on merits if left unamended.
- 2. Because these inventions are independent or distinct for the reasons given above and there would be a serious burden on the examiner if restriction is not required because the inventions have acquired a separate status in the art in view of their different classification, restriction for examination purposes as indicated is proper.

Because these inventions are independent or distinct for the reasons given above and there would be a serious burden on the examiner if restriction is not required because the inventions require a different field of search (see MPEP § 808.02), restriction for examination purposes as indicated is proper.

3. A telephone call was made to Robert J. Ballarini on 06/06/07 to request an oral election to the above restriction requirement, but did not result in an election being made.

Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the requirement be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

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The election of an invention or species may be made with or without traverse. To reserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.

Should applicant traverse on the ground that the inventions or species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the inventions or species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C.103(a) of the other invention.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Yelena G. Gakh, Ph.D. whose telephone number is (571) 272-1257. The examiner can normally be reached on 9:30 am - 6:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jill A. Warden can be reached on (571) 272-1267. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

7/29/2007

YELENA GAKH PRIMARY EXAMINER